

Tech Amendments Summary

40 CFR part ...	Category	Change	Issue Owner
85	Highway vehicles and engines	Allow limited ICI importation based on standards that apply in the year of original production, rather than the year of modification.	Dave Good
86	Highway motorcycles	Highway motorcycles: (1) Address FEL on emission label. (2) Correct errors in test-fuel specifications.	Rob French
	Light-duty Tier 2	Apply calibrations equally for different fuels.	Marty Reineman
		Correct over-write problem.	Rob French
	SFTP	Correct a regulatory reference in §86.158-00.	Rob French
		Align regulatory instructions with SC03 drive cycle trace in Appendix I (h).	Rob French
		Correct humidity tolerance for air conditioning testing in §86.161-00 by changing “100 +/-” to “100 +/-5”.	Rob French
		Correct equation in §86.164-00(c)(1)(i) by inserting a missing “+” sign.	Rob French
	NLEV	Correct in-use formaldehyde standards for light-duty vehicles in tables R99-5 and R99-6 (§86.1708-99).	Rob French
		Correct model year applicability of in-use standards for light-duty trucks (§86.1709-99(c)(1)).	Rob French
		Insert currently missing standards for light-duty trucks from 0-3750 loaded vehicle weight in Table R99-14.2 (§86.1709-99).	Rob French
		Correct fleet average NMOG standards for calculating credits for 1997 and 1998 model years in the Northeast Trading Region (§86.1710-99(c)(8)).	Rob French
		Correct a regulatory reference in §86.1711-99.	Rob French
	Heavy-duty highway engines	Migrate procedures from subpart N to part 1065, for both certification and in-use testing. Also update references in other parts to the part 86 test procedures.	Matt Spears
		Specify ramped-modal testing for SET procedures.	Matt Spears
89	Nonroad diesel—Tier 2/Tier 3	Align with Tier 4 standards: (1) Allow testing with ramped-modal cycles, (2) Update rebuild requirements, (3) Allow branded engine labels (Craftsman...), (4) Allow use of certified highway engines in nonroad applications, (5) Include expanded technical hardship for equipment manufacturers.	Alan Stout
		Allow limited ICI importation based on standards that apply in the year of original production, rather than the year of modification.	John Guy
1039	Nonroad diesel—Tier 4	Insert ABT provision to address separate credit programs when California adopts separate standards.	John Guy
		Correct ABT regs to add provision for using banked Tier 2 credits for Option #1 engines (as described in the preamble).	Bill Charmley

		Clarify ABT provisions for nonroad engines relying on highway certificate.	Alan Stout
		Various minor corrections (cross references, etc.)	Alan Stout
90	Small SI	Clarify liability for engines below 19 kW certified to the more stringent Large SI standards.	Alan Stout
91	Marine SI	Correct equation; add definition for “Spark-ignition.”	Alan Stout
92	Locomotives	Various corrections for cross references, equations, typographical errors, etc.	Chuck Moulis
94	Marine CI	Allow manufacturers to certify marine auxiliary engines in land-based engine families.	Jean Marie Revelt
		Align provisions related to replacement engines with nonroad diesel Tier 4 FRM.	Alan Stout
		Align engine-dressing provisions with nonroad diesel Tier 4 FRM.	Jean Marie Revelt
		Allow manufacturers to sell prototype test engines under later certificates if they are identical.	Alan Stout
		Correct applicability of operator requirements to include only engines over 2.5 L/cyl (as described in preamble).	Jean Marie Revelt
1048	Large SI	Copy general text improvements from nonroad diesel Tier 4 FRM.	Alan Stout
		Specify that steady-state testing may involve ramped-modal procedures.	Alan Stout
		Exclude fuel tanks for auxiliary marine engines from evaporative requirements, since they will be covered under the marine program.	Alan Stout
		Clarify administrative requirements for family banking—deadline for applying and label late engines.	Alan Stout
		Define the procedure for manufacturers to apply for shorter useful life.	Alan Stout
		Specify that engine manufacturers must provide duplicate labels (as in nonroad diesel Tier 4 FRM).	Alan Stout
		Allow branded engine labels (Craftsman...).	Alan Stout
1051	Recreational vehicles	Copy general text improvements from nonroad diesel Tier 4 FRM.	Alan Stout
		Clarify the approach to defining evap families: (1) Add technical parameters to match FRM preamble and (2) set up the default to be for exhaust and evap families to be independent.	Mike Samulski
		Clarify that permeation test procedure requires installation of the normal gas cap, rather than an impermeable plug.	Mike Samulski

		Specify allowable time between fuel soak and permeation test, clarify length of test, and require checks for linear test results to ensure that effect of ethanol soak is observed	Mike Samulski
		Add definition of Fuel line.	Mike Samulski
		Correct errors in NER equations and revise them to address niche products.	Chuck Moulis
		Allow interim raw-gas sampling for ATVs and motorcycles.	Linc Wehrly
		Allow manufacturers to select a different test point for maximum engine power.	Linc Wehrly
		Insert ABT provision to address separate credit programs when California adopts separate standards.	John Guy
		Specify that engine manufacturers must provide duplicate labels (as in nonroad diesel Tier 4 FRM)	Alan Stout
		Clarify that hang-tag labels and emission labels must both be in the application for certification.	Alan Stout
		Allow branded engine labels (Craftsman...).	Alan Stout
		Limit applicability for some ATVs to models with max speed over 25 mph.	Alan Stout
1065	General testing requirements	Update requirements to incorporate HD2007 changes, plus new field-testing provisions.	Matt Spears
many	General	Revise “marine engine” definition to address amphibious vehicles and portable engines.	Jean Marie Revelt
many	General	Adjust maximum penalties for inflation.	Alan Stout
1068	General Compliance Provisions	Capture changes from nonroad diesel Tier 4 FRM: (1) Copy the requirements for engines that must meet standards, but need not certify (such as replacement engines). (2) Clarify confidentiality provisions.	Alan Stout
		Clean up definitions and coordinate with nonroad diesel Tier 4 FRM: Motor vehicles, Days (1068.540), Owner (1068.540), Good engineering judgment, U.S.-directed production volume, Exempt, Void, Revoke, Suspend, United States.	Alan Stout
		Clarify when manufacturers may deny warranty obligations and what costs are covered by warranty claims.	Alan Stout
		Clarify the provisions related to stockpiling.	John Guy
		Add retesting provisions under an SEA, consistent with other programs.	John Guy
		Clarify the relationship between small-business hardship and hardship for all companies.	Alan Stout
		For individuals importing engines identical to certified engines, change pre-ownership requirement from 12 months to 6 months.	Alan Stout

		For replacement and hardship engines, change label language to clarify the engines' status and clarify the requirements for meeting less stringent standards (like for nonroad diesel Tier 4 FRM).	Alan Stout
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